

Chapter 10 Cell Growth and Division

Section Review 10-3

Reviewing Key Concepts

Short Answer *On the lines provided, answer the following questions.*

1. What is the function of cyclin in eukaryotic cells?

2. Explain the importance of internal regulators.

3. How do external regulators respond to events outside the cell?

4. What causes the abnormal growth of cancer cells?

Reviewing Key Skills

5. **Applying Concepts** Do all cells in the body have the same growth rate? Give examples.

6. **Posing Questions** Cyclin seems to regulate the cell cycle. What questions might scientists have asked following the discovery of cyclin?

7. **Comparing and Contrasting** What are the similarities and the differences between internal and external cell cycle regulators?

8. **Inferring** Describe a situation in the human body that would cause an increase in the rate of cell division of certain cells, followed by a return to the normal rate of division.
